OB HEMORRHAGE: CARTS, KITS AND TRAYS
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BACKGROUND AND LITERATURE REVIEW
Postpartum hemorrhage (PPH) is a commonly encountered obstetrical emergency on labor and delivery units throughout California. (1) Although medical management is often successful in treating PPH, the obstetrician may have to resort to surgical measures. For ideal response to the emergency, the obstetrician should have rapid access to surgical instruments and tools designed to treat PPH. Equipment and instruments compiled on an obstetrical hemorrhage “cart” is designed to treat vaginal/cervical lacerations and perform uterine tamponade or uterine/ovarian artery ligation. In short, the cart would have all the instruments necessary to treat PPH before hysterectomy is considered. The reader is referred to other guidelines in this toolkit that depict the use of these techniques. For more in-depth details about the hemorrhage cart, the reader is referred to articles by T.F. Baskett. (2, 3)

RECOMMENDATION
Labor and delivery units construct a sterile tray that provides rapid access to instruments used to surgically treat PPH. Hysterectomy trays are separately available.

EDUCATIONAL TOOLS AND SUPPORT DOCUMENTS
OB Hemorrhage Cart: Recommended Instruments
• Set of vaginal retractors (long right angle); long weighted speculum
• Sponge forceps (minimum: 2)
• Sutures (for cervical laceration repair and B-Lynch)
• Vaginal Packs
• Uterine balloon
• Banjo curettes, several sizes
• Long needle holder
• Uterine forceps
• Bright task light on wheels; behind ultrasound machine

Diagrams depicting various procedures (e.g. B-Lynch, uterine artery ligation, Balloon placement)
OB Hemorrhage Medication Kit: Available in L&D and Postpartum Floor

**PYXIS/refrigerator**
- Pitocin 20 units per liter NS 1 bag
- Hemabate 250 mcg/ml 1 ampule
- Cytotec 200mg tablets 5 tabs
- Methergine 0.2 mg/ml 1 ampule

**OB Hemorrhage Tray:**
**Available on Postpartum Floor**
- IV start kit
- 18 gauge angiocath
- 1 liter bag lactated Ringers
- IV tubing
- Sterile Speculum
- Urinary catheter kit with urimeter
- Flash light
- Lubricating Jelly
- Assorted sizes sterile gloves
- 1 Forceps, Smooth 8"
- 1 Forceps, Ferris Smith
- 2 Forceps with Teeth, 6 "
- 1 Forceps, Russian 6"
- 2 Forceps, Adson with Teeth
- 1 Forceps, Tissue, Smooth, 7"
- 2 Kocher, Straight, 8"
- 6 Forceps, Heaney, Curved, 8 1/4"
- NH, Mayo Hegar, 8"
- 4 Sponge Stick, 9 1/2"

**Labor and Delivery Emergency**

**Hysterectomy Tray: Available in L&D OR Suite**
- 4 Towel Clips, Backhaus (perforating) 5 1/4"
- 4 Mosquito, Curved, 5"
- 2 Clamp, Mixter 9"
- 2 Clamp, tonsil
- 2 Clamp, Allis, Extra long 10"
- 2 Clamp, Allis 6"
- 2 Clamp, Babcock 8"
- 2 Clamp, Babcock 6 1/4"
- 2 Clamp, Lahey 6"
- 2 Clamp, Heaney-Rezak, Straight, 8"
- 8 Kelly, Curved 5 3/4"
- 2 Kelly, Straight 5 3/4"
- 8 Pean Curved, 6 1/4"
- 2 Forceps, Debakey, 9 1/2"
- 1 Forceps, Tissue with teeth 9 3/4"
- 1 Forceps, Russian 8"
- 1 Scissor, Jorgensen, Curved, 9"
- 1 Scissors, bandage 7"
- 1 Scissors, curved dissecting, Metzenbaum
- 1 Scissors, Mayo, curved
- 1 Scissors, sharp/blunt, Straight, 5 1/2'
- 1 Scissors, Curved Metzenbaum 12"
- 1 Scissors, Mayo Straight 11"
- 1 Scissors, Mayo Curved 11"
- 1 Knife Handle #3
- 1 Knife Handle #4
- 1 Knife Handle #3, Long
- 1 Retractor, Kelly, large
- 1 Retractor, Deaver, Large, 3" x 12"
- 1 Retractor, Deaver, Medium
- 2 Retractor, Med/large Richardson
- 1 Retractor, Balfour Blades
- 2 Retractor, Goulet, 7 1/2"
- 1 Suction, Yankauer Tip
- 1 Suction, Pool Tip
**EVIDENCE GRADING**

**Level of Evidence: III.** Opinions of respected authorities based on clinical experience, descriptive studies or reports of expert committees.

**Level of Evidence: II-3.** Evidence obtained from multiple time series with or without intervention. Dramatic results in uncontrolled experiments also could be regarded as this type of evidence. Strong quality improvement data such as statistical process control, or other well-designed analysis.
CHECKLIST: CARTS, KITS, TRAYS

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## Labor and Delivery Emergency Hysterectomy Tray:
### Available in L&D OR Suite

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